JAP7 Rec'd PCTIPTO 10 MAY 2006-7

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Applicant:

Joel BIGMAN

Serial No.:

10/531,300

Filed:

April 14, 2005

For:

ELECTROCHEMICALLY CONTROLLED

OPTICAL DEVICES

Examiner:

CHOI, WILLIAM C

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 888888

Group Art Unit: 2873

Attorney

Docket: 29282

<u>INFORMATION DISCLOSURE STATEMENT</u>

Sir:

Enclosed is a PTO Form 1449 which lists citations which may be material to the patentability and examination of the above identified application. Also enclosed are copies of the references cited. These are submitted in compliance with the duty of disclosure defined in 37 CFR 1.56. The Examiner is requested to make these citations of official record in this application.

This Information Disclosure Statement is being filed subsequent to an Office Action being mailed and a late fee of \$180 is due. Please charge my Deposit Account 50-1407 for this fee, as well as any additional fees due.

This Information Disclosure Statement under 37 CFR 1.56 is not to be construed as a representation that a search has been made, that additional matter which is material to the examination of this application does not exist, or that any or more of these citations constitutes prior art.

Respectfully submitted,
Martin D. Mapuha

Martin D. Moynihan

Registration No. 40,338

Dated: May 8, 2006

4

O'PLANT & TRACEMENT

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031 U.S.Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known Substitute for form 1449A/PTO Application Number 10/531,300 INFORMATION DISCLOSURE Filing Date April 14, 2005 STATEMENT BY APPLICANT First Named Inventor Joel BIGMAN Art Unit 2873 (use as many sheets as necessary) Examiner Name CHOI, WILLIAM C Attorney Docket Number 29282 Sheet 1 U.S. PATENT DOCUMENTS Examiner Cite Document Number Publication Date Name of Patentee or Pages, Columns, Lines, Where MM-DD-YYYY Applicant of Cited Document Relevant Passages or Relevant Figures Appear Number-Kind Code² (if known) US-5,699,192 12-16-1997 Van Dine et al. 2 US-4,060,311 11-29-1977 Green 3 US-4,256,379 03-17-1981 Green 4 US-4,310,609 01-12-1982 Liang et al. 5 US-4,501,472 02-26-1985 Nicholson 6 US-5,202,788 04-13-1993 Weppner 7 US-5,684,612 04-4-1997 Wilde et al. 8 US-5,708,523 01-13-1998 Kubo et al. 9 US-6,085,015 04-4-2000 Armand et al. 10 US-6,183,910 06-6-2001 Praas et al. 11 US-6,542,264 01-1-2003 Agranat et al. 12 US-4,790,635 12-13-1988 Apsley

	FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. 1	Foreign Patent Documents	Publication Date	Name	of Patentee or	Pages, Columns, Lines, Where Relevant Passages	T 6		
		Country Code ³⁻ Number ⁴⁻ Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant	of Cited Document	or Relevant Figures Appear			
	ļ						-		
							\vdash		
-							\vdash		
	<u> </u>					1.			
Examiner					Date				
Signatur	e				Considered				

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. this collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

PTO/SB/08b (08-03)

Approved for use through 06/30/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduced As 95, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

		1993, no persons are required to respond to a cone	Complete if Known						
	Su	bstitute for form 1449A/PTO	Application Number 10/531,300						
	INE	ORMATION DISCLOSURE	Filing Date	April 14, 2005					
			First Named Inventor	Joel BIGMAN					
	STA	TEMENT BY APPLICANT	Group Art Unit	2873					
		(use as many sheets as necessary)	Examiner Name	CHOI, WILLIAM C					
Sheet	2	Of	2	Attorney Docket Number	29282				
		OTHER PRIOR ART – NON P.	ATENT LITER	ATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.							
	13	Rubin et al. "Optical Indices Of Lithiated Electrochromic Oxides", Ssolar Energy Materials and Solar Cells, 54: 49-57, 1998.							
	14	Granqvist "Progress in Electrochromics: Tungsten Oxide Revisited", Electrochimia Acta44: 3005-3015, 1999.							
*	15	Ghodsi et al. "Optical and Electromic Properties of Sol-Gel Made CeO2-TiO2 Thin Film", Electrochimia Acta,44: 31237-3136, 1999.							
	16	Granqvist "Electrochromism and Smart Window Design", Solid State Ionics, 53-56: 479-489, 1992.							
	-								
					_				
					l				

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not

Signature

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1. Applicant's unique citation designation number (optional).

2. Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. this collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Considered